

GEOS-DAS Quick Start Failures on ...

[emkemp](#) 2 posts since

Mar 9, 2009 I'm unable to run the GCM portion of the GEOS-DAS on Discover. I'm using the GEOSdas-2_1_4 tag.

I'm generally following the Quick Start instructions for a MERRA run, but with the following customizations:

AGCM Resolution: b72

FVINPUT: /discover/nobackup/projects/gmao/share/dkokron/fvInput (the default directory doesn't have any input data).

Real time BCS: /discover/nobackup/projects/gmao/share/dkokron/fvInput/g5gcm/bcs/SST

g5chem: /discover/nobackup/projects/gmao/share/dkokron/fvInput/g5chem

FVICS: /archive/merra/dao_ops/production/GEOSdas-2_1_4/d5_merra_jan98

I've tried the following start/end dates:

Start Date: 19980215

Start Time: 210000

End Date: 19980216

End Time: 210000

Start Date: 20000929

Start Time: 210000

End Date: 20001006

End Time: 090000

(The Quick Start start time of 19980205 210000 doesn't have any restart files available).

In both cases the DAS part of the system "works". But the GCM experiences an MPI error that causes it to hang. The error message is:

- mpimon --- Aborting run after process-8 terminated abnormally Childprocess 1

781 got signal SIGIOT(6): IOT instruction ---

Note that I'm using ScalimPI, and the batch script includes the line #PBS -l select=9:ncpus=4:scali=true

Help!

-Eric Tags: geos-das

[pxu](#) 1 posts since

Mar 23, 2009 **1. Re: GEOS-DAS Quick Start Failures on Discover** Mar 24, 2009 12:16 PM

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I got the same problem last night when I ran this example, and some other DAS cases. Today, Meta helped me to figure out the problem, that the restart files with the selected days are all d5 type, however you and me select the default value b72. The correct one should be d72 as indicated in the guide which is not the default.

Philippe

[emkemp](#) 2 posts since

Mar 9, 2009 [2](#). **Re: GEOS-DAS Quick Start Failures on Discover** Mar 24, 2009 2:14 PM

in response to: [pxu](#) Yep, that was the problem. Thanks, and sorry about all this!

-Eric